IN THE CLAIMS:

1. (Previously Presented) A device for monitoring the deployment of respirator users, the device comprising:

an image recording means by which an image falling near or about the eyes of the device user can be recorded;

a display;

a signal processor for evaluating the image signals recorded by said image recording means;

an input means for receiving data;

a storage medium for storing building topography data;

means for determining an instantaneous position of the device user by evaluating the image signals sent by said image recording means by pattern recognition of the image falling near or about the eyes of the device user and the stored building topography data.

2. (Currently Amended) [[A]] The device in accordance with claim 1, wherein said input means comprises an input medium including a bar code reader.

3. (Currently Amended) [[A]] The device in accordance with claim 1, wherein said input means comprises an input medium including a speech input device.

4. (Currently Amended) [[A]] The device in accordance with claim 1, wherein said

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input means comprises an input medium including a memory chip.

5. (Currently Amended) [[A]] The device in accordance with claim 1, wherein a LCD display is provided for providing an output of image signals via said display means.

6. (Currently Amended) [[A]] The device in accordance with claim 1, wherein said display is arranged in the field of view of the device user within a gas mask.

7. (Currently Amended) [[A]] The device in accordance with claim 1, wherein the building topology data comprises fixed points including one or more of stairs, columns and window openings.

8. (Currently Amended) [[A]] The device in accordance with claim 1, further comprising means for transmitting the position data and image signals to a deployment center.

9. (Previously Presented) A process for monitoring the deployment of respirator users, the process comprising the steps of:

recording of image signals with an image recording device, the image corresponding substantially to an image falling on the eyes of the device user;

5   storing the topology of a building, in which the user of the device is located, in a storage medium; and

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determining the instantaneous position of the user of the device within the building by

the evaluation of the image signals by means of pattern recognition by comparing patterns of

said topography of the building with patterns of said recorded image signals for determining

10   an instantaneous position of the device user.

10.   (Currently Amended) [[A]] The process in accordance with claim 9, further

comprising using an input medium to call up the stored topology of the building from the

storage medium wherein the entry position into the building is predetermined with said input

medium.

11.   (Previously Presented) A respirator user monitoring system comprising:

an image recording device connected to a respirator or to a user of the respirator for

providing image signals;

a display;

5   a signal processor for evaluating the image signals recorded by said image recording

device;

an input means for triggering the system for receiving data;

a storage medium for storing building topography data;

a processor receiving building topography data via said input means and evaluating said

10   recorded image signals by comparing patterns of said building topography data with patterns

of said recorded image signals for determining an instantaneous position of the device user.

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12. (Currently Amended) [[A]] The system in accordance with claim 11, wherein said input means comprises a bar code reader for one of providing data to said processor and triggering access to data stored in said storage medium by said processor.

13. (Currently Amended) [[A]] The system in accordance with claim 11, wherein the input means comprises a speech input device for one of providing data to said processor and triggering access to data stored in said storage medium by said processor.

14. (Currently Amended) [[A]] The system in accordance with claim 11, wherein the input means comprises a memory chip for one of providing data to said processor and triggering access to data stored in said storage medium by said processor.

15. (Currently Amended) [[A]] The system in accordance with claim 11, wherein a LCD display is provided for providing an output of image signals via said display means.

16. (Currently Amended) [[A]] The system in accordance with claim 11, wherein said display means is arranged in the field of view of the display user within a gas mask.

17. (Currently Amended) [[A]] The system in accordance with claim 11, wherein the building topology comprises fixed points including one or more of stairs, columns and window

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openings.

18. (Currently Amended) [[A]] The system in accordance with claim 11, further comprising a transmission means for transmitting position data and image signals to a deployment center.

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